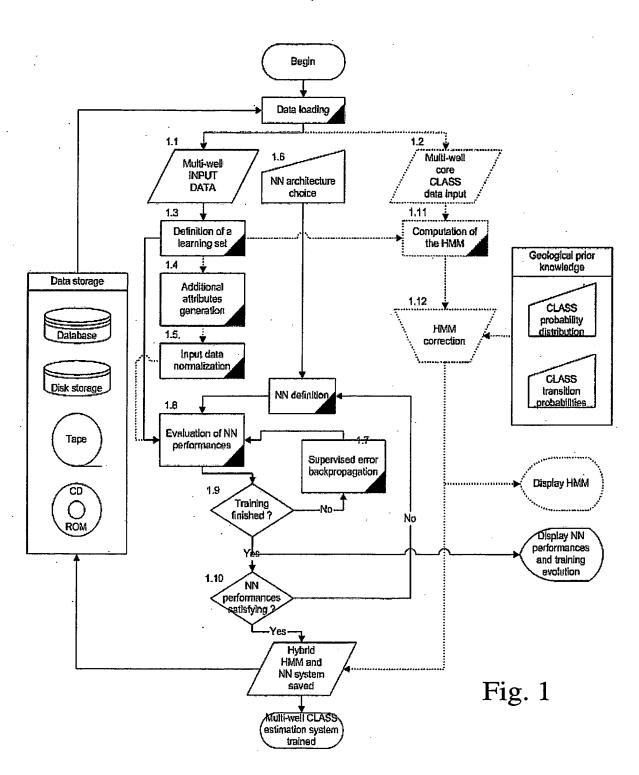
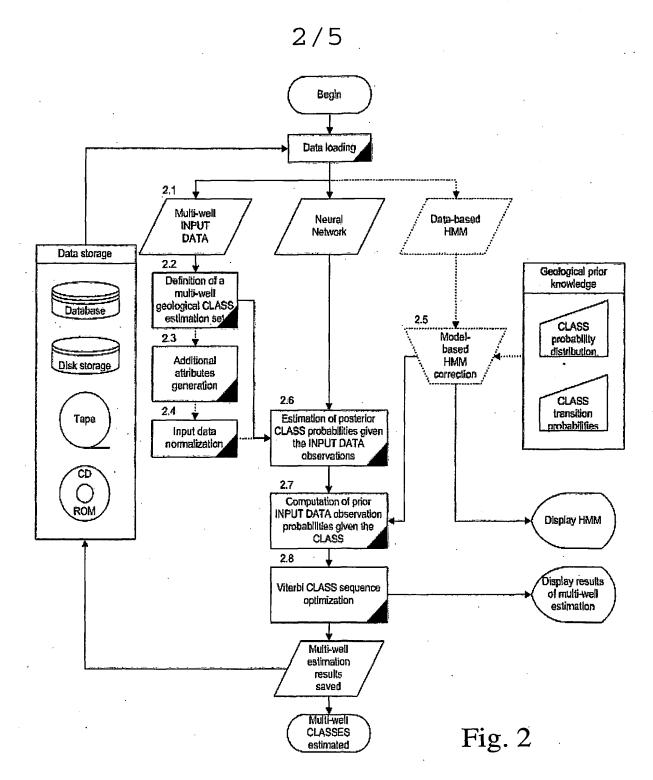
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WO 2004/066060 PCT/GB2004/000304 3/5 **CLASS** sequence Feed-fonvard neural network Sample INPUT DATA observation vector Y, Posterior CLASS probabilities given the observation INPUT DATA Most probable CLASS choice X $p(X_i|Y_i), i \in [1, N],$ Additional current observation/ attributes generation 3.3 Bayes Rule p(Y,|X,) = p(X,|Y,) x p(Y,) / p(X,) Input attributes normalization 3.5 3.4 Prior observation INPUT DATA Viterbi probabilities given the sequence CLASS 1D depth-oriented INPUT DATA optimization $p(Y_i|X_j), i\in \{1,N\},$ t observation

> Context-dependent prior CLASS probability distribution

Context-dependent transition probabilities

between CLASS samples

Corrected CLASS

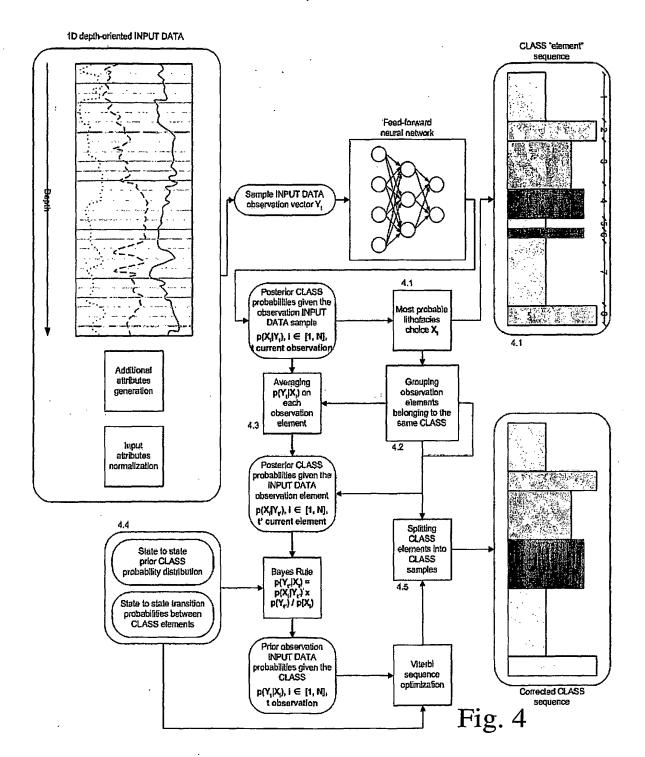
sequence

Fig. 3

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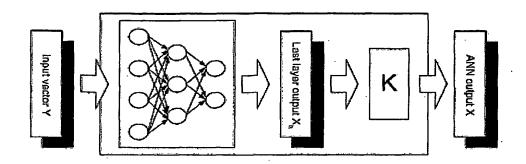


Fig. 5A

